Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A transmitting method of a transmitter useful in a vehicle having at least one wireless apparatus control system and a wireless tire condition monitoring system, said transmitting method comprising:

wirelessly transmitting data using a data format, a frequency, a communication speed and a modulation method,

wherein the same data format, the same frequency, the same communication speed and the same modulation method can be used in said wireless apparatus control system to control at least one apparatus of the vehicle and in said wireless tire condition monitoring system to show a tire condition, and

wherein the data format includes data showing the type of transmitter used.

2. (Original) A transmitting method according to claim 1, wherein the data format includes data showing a manufacturer of the transmitter used.

3. (Original) A processing method of a receiver for receiving and processing data transmitted from a transmitter using the transmitting method according to claim 1,

wherein the receiver determines the type of the transmitter that is a source of a received data based on data showing the type of the transmitter included in the received data, and executes a process corresponding to the determined type of the transmitter.

4. (Original) A processing method of a receiver for receiving and processing data transmitted from a transmitter using the transmitting method according to claim 2,

wherein the receiver determines the type of the transmitter that is a source of a received data based on data showing the type of the transmitter included in the received data, and executes a process corresponding to the determined type of the transmitter.

5. (Original) A processing method of a receiver for receiving and processing data transmitted from a transmitter using the transmitting method according to claim 2,

wherein the receiver determines the type of the transmitter that is a source of a received data based on data included in the received data showing which of the data used to control the apparatuses of the vehicle or the data showing a tire condition is given, and executes a process corresponding to the determined type of the transmitter.

6. (Original) A processing method of a receiver for receiving and processing data transmitted from a transmitter using the transmitting method according to claim 2,

wherein the receiver determines the manufacturer of the transmitter that is a source of a received data based on data showing the manufacturer of the transmitter included in the received data, and executes a process corresponding to the determined manufacturer of the transmitter.

7. (Currently Amended) A transmitting method of a transmitter useful in a vehicle having at least one wireless apparatus control system and a wireless tire condition monitoring system, said transmitting method comprising:

wirelessly transmitting data using a data format, a frequency, a communication speed and a modulation method,

wherein the same data format, the same frequency, the same communication speed and the same modulation method can be used in said wireless apparatus control system to control at least one apparatus of a vehicle and in said wireless tire condition monitoring system to show a tire condition,

wherein the data format includes data showing which of data used to control the apparatuses of the vehicle or data showing a tire condition is given.

8. (Original) The transmitting method according to claim 7, wherein the data format includes data showing a manufacturer of the transmitter.

9. (Original) A processing method of a receiver for receiving and processing data transmitted from a transmitter using the transmitting method according to claim 7,

wherein the receiver determines the type of the transmitter that is a source of a received data based on data showing which of the data used to control the apparatuses of the vehicle or the data showing a tire condition is given, and executes a process corresponding to the determined type of the transmitter.

10. (Currently Amended) A data transmission system of a vehicle that includes a wireless keyless entry system used for controlling a door lock of the vehicle and a wireless tire condition monitoring system used to allow a driver to check tire conditions of tires mounted to the vehicle, wherein the data transmission system comprises:

a keyless entry system transmitter that wirelessly transmits data used to control the keyless entry system, wherein said control data is transmitted in a common data format, at a common frequency, a common communication speed and a common modulation method;

tire condition monitoring transmitters, wherein each tire condition monitoring transmitter is located in one of the tires, wherein each tire condition monitoring transmitter wirelessly transmits data showing the condition of tire in which the tire condition monitoring transmitter is located, wherein said data showing tire condition is transmitted in a common data format, common frequency, common communication speed and common modulation method identical to the common data format, common frequency, common communication speed and common modulation method used by the keyless entry system transmitter; and

a receiver shared between the keyless entry system and the tire condition monitoring system;

wherein the data format used in both the keyless entry system transmitter and the tire condition monitoring transmitters includes data showing the type of the transmitter used.

11. (Original) The data transmission system according to claim 10, wherein the receiver determines the type of the transmitter that is a source of a received data based on data included in the received data showing the type of the transmitter used, and executes a process corresponding to the determined type of the transmitter.

12. (Original) The data transmission system according to claim 10, wherein the common data format includes data showing a manufacturer of the transmitter used.

13. (Original) The transmitting and receiving system according to claim 12, wherein the receiver determines the type of the transmitter that is a source of the received data based on the data included in the received data showing which of the data used to control the keyless entry system or the data showing a tire condition is given, and executes a process corresponding to the determined type of the transmitter.

14. (Original) The transmitting and receiving system according to claim 12, wherein the receiver determines the manufacturer of the transmitter that is a source of a received data based on data included in the received data showing the manufacturer of the associated transmitter, and executes a process corresponding to the determined manufacturer of the transmitter.